U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

NRCS–AZ–CPA–7
1–83
FILE NO. 180

WC–4 IRRIGATION WATER CONSERVATION REORGANIZATION PLAN

Producer/Cooperator _____ ASCS Farm No. _____ Total Irrigated Acres _____

Date of Planning _____ Field # _____, Ac _____; Field # _____, Ac _____; Field # _____, Ac _____; Major Soil _____
series–map unit

IRRIGATION SYSTEM AND SELECTED ALTERNATIVE TREATMENT

Item Units	Prior/ Existing Condition	Potential Alternative 1/	Other Alternative	Resource Management System Required to Meet Goals of Selected Alternative 2/			
				Components to RMS	Year	Units Plnd	Units Apld
1. Type System/Slope							
2. Length/Run ft							
3. Water Supply cfs							
4. Water Quality 3/							
5. Ditches ft							
6. Soil Condition Index							
7. Irrigation Water Measurements a. Soil moisture b. Water delivered	☐ yes ☐ no ☐ yes ☐ no	☐ yes ☐ no ☐ yes ☐ no	☐ yes ☐ no ☐ yes ☐ no	Alternative Selected _____			
8. Irrigation Efficiency 4/	Farm Eff _____ % Conv Eff _____ % Fd App Eff _____ %	Farm Eff _____ % Conv Eff _____ % Fd App Eff _____ %	Farm Eff _____ % Conv Eff _____ % Fd App Eff _____ %	_____ (Producer/Cooperator Signature)		Date	
9. Soil Erosion T/Ac/Yr				_____ (NRCS Conservationist's Signature)			

1/ The system that provides the highest farm irrigation efficiency, the highest soil condition indices, and the lowest erosion rate for the natural (soil, water, plant) resources on the site that are feasible to install and operate.

2/ In sequence of application. Any change in sequence or practieces listed must be certified needed and feasible by the NRCS Conservationist.

3/ Show TDS, Na; Ca + Mg ratio, or other important water quality items when appropriate–otherwise show no problem known.

4/ The Irrigation Efficiency shown for each alternative will be achieved only if all practice components are applied and the system is properly managed.
Farm Irrigation Efficiency = water requirement / water diverted or pumped.
Conveyance Efficiency = water delivered / water diverted or pumped X 100.
Field Application Efficiency = water requirement / water applied X 100.
Water Requirement = Consumptive Use + Other Needs + Leaching Needs – Effective Rainfall